



```

PPPPPPPP      AAAAAA      SSSSSSSS      MM      MM      SSSSSSSS      GGGGGGGG      TTTTTTTTTT      XX      XX      TTTTTTTTTT
PPPPPPPP      AAAAAA      SSSSSSSS      MM      MM      SSSSSSSS      GGGGGGGG      TTTTTTTTTT      XX      XX      TTTTTTTTTT
PP      PP      AA      AA      SS      MMMM      MMMM      SS      GG      TT      XX      XX      TT
PP      PP      AA      AA      SS      MMMM      MMMM      SS      GG      TT      XX      XX      TT
PP      PP      AA      AA      SS      MM      MM      SS      GG      TT      XX      XX      TT
PP      PP      AA      AA      SS      MM      MM      SS      GG      TT      XX      XX      TT
PPPPPPPP      AA      AA      SSSSSS      MM      MM      SSSSSS      GG      TT      XX      XX      TT
PPPPPPPP      AA      AA      SSSSSS      MM      MM      SSSSSS      GG      TT      XX      XX      TT
PP      AAAAAAAAAA      SS      MM      MM      SS      GG      GGGGGG      TT      XX      XX      TT
PP      AAAAAAAAAA      SS      MM      MM      SS      GG      GGGGGG      TT      XX      XX      TT
PP      AA      AA      SS      MM      MM      SS      GG      GG      TT      XX      XX      TT
PP      AA      AA      SS      MM      MM      SS      GG      GG      TT      XX      XX      TT
PP      AA      AA      SSSSSSSS      MM      MM      SSSSSSSS      GGGGGG      TT      XX      XX      TT
PP      AA      AA      SSSSSSSS      MM      MM      SSSSSSSS      GGGGGG      TT      XX      XX      TT

```

.....  
.....  
.....  
.....

```

LL      IIIIII      SSSSSSSS
LL      IIIIII      SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLLLL      IIIIII      SSSSSSSS

```



```
1      .TITLE  PAS$MSGDEF VAX-11 Pascal Run-Time Messages
2      .IDENT  '1-004'      ! File PASMSG.MSG, Edit: SBL1004
3
4      *****
5      *
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23     *
24     *
25     *****
26
27     ++
28     FACILITY:      VAX-11 Pascal Run-Time Library
29
30     ABSTRACT:
31
32         This module contains the message definitions for VAX-11 Pascal V2
33         Run-Time messages.
34
35     AUTHOR: Steven B. Lionel, CREATION DATE: 1-April-1981
36
37     MODIFIED BY:
38
39     1-001 - Original. SBL 1-April-1981
40     1-002 - Remove PAS$_INVFI$PE since it is no longer used. SBL 2-July-1982
41     1-003 - Reserve message numbers 3000-3999 for SeaPascal. SBL 25-Mar-1983
42     1-004 - Change text of BUGCHECK to refer to User's Guide. SBL 17-Aug-1983
43     --
44
45     .FACILITY      PAS,33 /SYSTEM
46
47     +
48     NOTE: The VAX-11 Pascal V1 Run-Time Library used message numbers between
49     32 and 128. To avoid conflicts, start VAX-11 Pascal V2 numbers at 200.
50     -
51
52     +
53     Messages 201 to 999 are I/O errors which can be continued by means of
54     Error:=Continue in the Pascal statement.
55
56     The STATUS return value is <message_number - 200>
```

00000021



```

57 |
58 | ***** NOTE *****
59 | * For messages 201-999, which all have the PFV *
60 | * address placed as the first FAO argument, the *
61 | * FAO control string MUST include the "!" edit *
62 | * directive as the first directive in the string.*
63 | * Failure to do this will result in the PFV *
64 | * being used incorrectly in the result text. *
65 | *****
66 |
67 | -
68 | .SEVERITY      FATAL
69 |
70 | +
71 | Messages from OPEN and CLOSE.
72 | -
73 |
00218644 74 | .BASE          200
75 | BASE          <>      ! Never signalled
0021864C 76 | FILALROPE      <file is already open!+!/ File "!"AC" Filename "!"AS">/FAO_COUNT=3
77 | .LITERAL      PASSK_FILALROPE=(PASS_FILALROPE-PASS_BASE)a-3
00218654 78 |
79 | ERRDUROPE      <error during OPEN!+!/ File "!"AC" Filename "!"AS">/FAO_COUNT=3
80 | .LITERAL      PASSK_ERRDUROPE=(PASS_ERRDUROPE-PASS_BASE)a-3
0021865C 81 |
82 | FILNOTFOU      <file not found!+!/ File "!"AC" Filename "!"AS">/FAO_COUNT=3
83 | .LITERAL      PASSK_FILNOTFOU=(PASS_FILNOTFOU-PASS_BASE)a-3
00218664 84 |
85 | INVFILSYN      <invalid filename syntax!+!/ File "!"AC" Filename "!"AS">/FAO_COUNT=
86 | .LITERAL      PASSK_INVFILSYN=(PASS_INVFILSYN-PASS_BASE)a-3
0021866C 87 |
88 | ACCMETINC      <ACCESS METHOD specified is incompatible with this file!+!/ File "!"
89 | .LITERAL      PASSK_ACCMETINC=(PASS_ACCMETINC-PASS_BASE)a-3
00218674 90 |
91 | RECLEINIC      <RECORD LENGTH specified is inconsistent with this file!+!/ File "!"
92 | .LITERAL      PASSK_RECLEINIC=(PASS_RECLEINIC-PASS_BASE)a-3
0021867C 93 |
94 | RECTYPINC      <RECORD TYPE specified is inconsistent with this file!+!/ File "!"AC
95 | .LITERAL      PASSK_RECTYPINC=(PASS_RECTYPINC-PASS_BASE)a-3
00218684 96 |
97 | ORGSPEINC      <ORGANIZATION specified is inconsistent with this file!+!/ File "!"A
98 | .LITERAL      PASSK_ORGSPEINC=(PASS_ORGSPEINC-PASS_BASE)a-3
0021868C 99 |
100 | INVKEYDEF      <invalid key definition!+!/ File "!"AC" Filename "!"AS">/FAO_COUNT=3
101 | .LITERAL      PASSK_INVKEYDEF=(PASS_INVKEYDEF-PASS_BASE)a-3
00218694 102 |
103 | KEYDEFINC      <KEY(!+!UL) definition is inconsistent with this file!/ File "!"AC"
104 | .LITERAL      PASSK_KEYDEFINC=(PASS_KEYDEFINC-PASS_BASE)a-3
0021869C 105 |
106 | KEYNOTDEF      <KEY(!+!UL) is not defined in this file!/ File "!"AC" Filename "!"AS
107 | .LITERAL      PASSK_KEYNOTDEF=(PASS_KEYNOTDEF-PASS_BASE)a-3
002186A4 108 |
109 | INVRECLIN      <invalid record length of !+!UL!/ File "!"AC" Filename "!"AS">/FAO_C
110 | .LITERAL      PASSK_INVRECLIN=(PASS_INVRECLIN-PASS_BASE)a-3
002186AC 111 |
112 | TEXREQSEQ      <textfiles require sequential organization and access!+!/ File "!"AC
113 | .LITERAL      PASSK_TEXREQSEQ=(PASS_TEXREQSEQ-PASS_BASE)a-3

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```

002186B4 114
115      FILNAMREQ      <FILE_NAME required for this HISTORY or DISPOSITION!+!/ File '!AC'
116      .LITERAL      PASSK_FILNAMREQ=(PASS_FILNAMREQ-PASS_BASE)@-3
117
002186BC 118      FILALRCLO      <file is already closed!+!/ File '!AC' Filename '!AS'>/FAO_COUNT=3
119      .LITERAL      PASSK_FILALRCLO=(PASS_FILALRCLO-PASS_BASE)@-3
120
002186C4 121      ERDURCLO      <error during CLOSE!+!/ File '!AC' Filename '!AS'>/FAO_COUNT=3
122      .LITERAL      PASSK_ERDURCLO=(PASS_ERDURCLO-PASS_BASE)@-3
123
124      !+
125      !- Textfile READ errors.
126      !-
127      .BASE          230
128
00218734 129      AMBVALENU      <!+'!AS' is an ambiguous value for enumerated type '!AC'!/ Record !
130      .LITERAL      PASSK_AMBVALENU=(PASS_AMBVALENU-PASS_BASE)@-3
131
0021873C 132      INVSYNENU      <!+'!AD' is invalid syntax for an enumerated value!/ Record !UL Fi
133      .LITERAL      PASSK_INVSYNENU=(PASS_INVSYNENU-PASS_BASE)@-3
134
00218744 135      INVSYNINT      <!+'!AS' is invalid syntax for an integer value!/ Record !UL File
136      .LITERAL      PASSK_INVSYNINT=(PASS_INVSYNINT-PASS_BASE)@-3
137
0021874C 138      INVSYNREA      <!+'!AS' is invalid syntax for a real value!/ Record !UL File '!AC
139      .LITERAL      PASSK_INVSYNREA=(PASS_INVSYNREA-PASS_BASE)@-3
140
00218754 141      INVSYNUNS      <!+'!AD' is invalid syntax for an unsigned value!/ Record !UL File
142      .LITERAL      PASSK_INVSYNUNS=(PASS_INVSYNUNS-PASS_BASE)@-3
143
0021875C 144      NOTVALTYP      <!+'!AS' is not a value of type '!AC'!/ Record !UL File '!AC' Fil
145      .LITERAL      PASSK_NOTVALTYP=(PASS_NOTVALTYP-PASS_BASE)@-3
146
00218764 147      ERDURPRO      <error during prompting!+!/ File '!AC' Filename '!AS'>/FAO_COUNT=3
148      .LITERAL      PASSK_ERDURPRO=(PASS_ERDURPRO-PASS_BASE)@-3
149
150      !+
151      !- Textfile WRITE errors.
152      !-
153      .BASE          250
154
002187D4 155      ERDURWRI      <error during WRITELN!+!/ File '!AC' Filename '!AS'>/FAO_COUNT=3
156      .LITERAL      PASSK_ERDURWRI=(PASS_ERDURWRI-PASS_BASE)@-3
157
158      ! Message 251 is no longer used - available for reuse
159
160      .BASE          252
161
002187E4 162      LINTOOLON      <line is too long, exceeded record length by !+!UL character!%S!/ F
163      .LITERAL      PASSK_LINTOOLON=(PASS_LINTOOLON-PASS_BASE)@-3
164
002187EC 165      NEGWIDDIG      <negative Width or Digits specification is not allowed!+!/ File '!A
166      .LITERAL      PASSK_NEGWIDDIG=(PASS_NEGWIDDIG-PASS_BASE)@-3
167
002187F4 168      WRIINVENU      <WRITE of an invalid enumerated value!+!/ File '!AC' Filename '!AS
169      .LITERAL      PASSK_WRIINVENU=(PASS_WRIINVENU-PASS_BASE)@-3
170

```



```

171
172
173 !+
174 !- Direct and Keyed access errors.
175 !-
176 .BASE 270
177
00218874 178 KEYVALINC <key value is incompatible with this file's key !+!UL!/ File '!AC'
179 .LITERAL PASSK_KEYVALINC=(PASS_KEYVALINC-PASS_BASE)a-3
180
0021887C 181 KEYDUPNOT <key field duplication is not allowed!+!/ File '!AC' Filename '!AS'
182 .LITERAL PASSK_KEYDUPNOT=(PASS_KEYDUPNOT-PASS_BASE)a-3
183
00218884 184 KEYCHANOT <key field change is not allowed!+!/ File '!AC' Filename '!AS'>/FA
185 .LITERAL PASSK_KEYCHANOT=(PASS_KEYCHANOT-PASS_BASE)a-3
186
0021888C 187 CURCOMUND <current component is undefined for DELETE or UPDATE!+!/ File '!AC'
188 .LITERAL PASSK_CURCOMUND=(PASS_CURCOMUND-PASS_BASE)a-3
189
00218894 190 FAIGETLOC <failed to GET locked component!+!/ File '!AC' Filename '!AS'>/FAO
191 .LITERAL PASSK_FAIGETLOC=(PASS_FAIGETLOC-PASS_BASE)a-3
192
193
194 !+
195 !- Miscellaneous errors.
196 !-
197 .BASE 300
198
00218964 199 DELNOTALL <DELETE is not allowed for a sequential organization file!+!/ File
200 .LITERAL PASSK_DELNOTALL=(PASS_DELNOTALL-PASS_BASE)a-3
201
0021896C 202 ERRDURDEL <error during DELETE!+!/ File '!AC' Filename '!AS'>/FAO_COUNT=3
203 .LITERAL PASSK_ERRDURDEL=(PASS_ERRDURDEL-PASS_BASE)a-3
204
00218974 205 ERRDURFIN <error during FIND or FINDK!+!/ File '!AC' Filename '!AS'>/FAO_COU
206 .LITERAL PASSK_ERRDURFIN=(PASS_ERRDURFIN-PASS_BASE)a-3
207
0021897C 208 ERRDURGET <error during GET!+!/ File '!AC' Filename '!AS'>/FAO_COUNT=3
209 .LITERAL PASSK_ERRDURGET=(PASS_ERRDURGET-PASS_BASE)a-3
210
00218984 211 ERRDURPUT <error during PUT!+!/ File '!AC' Filename '!AS'>/FAO_COUNT=3
212 .LITERAL PASSK_ERRDURPUT=(PASS_ERRDURPUT-PASS_BASE)a-3
213
0021898C 214 ERRDURRES <error during RESET or RESETK!+!/ File '!AC' Filename '!AS'>/FAO_C
215 .LITERAL PASSK_ERRDURRES=(PASS_ERRDURRES-PASS_BASE)a-3
216
00218994 217 ERRDURREW <error during REWRITE!+!/ File '!AC' Filename '!AS'>/FAO_COUNT=3
218 .LITERAL PASSK_ERRDURREW=(PASS_ERRDURREW-PASS_BASE)a-3
219
0021899C 220 ERRDURTRU <error during TRUNCATE!+!/ File '!AC' Filename '!AS'>/FAO_COUNT=3
221 .LITERAL PASSK_ERRDURTRU=(PASS_ERRDURTRU-PASS_BASE)a-3
222
002189A4 223 ERRDURUNL <error during UNLOCK!+!/ File '!AC' Filename '!AS'>/FAO_COUNT=3
224 .LITERAL PASSK_ERRDURUNL=(PASS_ERRDURUNL-PASS_BASE)a-3
225
002189AC 226 ERRDURUPD <error during UPDATE!+!/ File '!AC' Filename '!AS'>/FAO_COUNT=3
227 .LITERAL PASSK_ERRDURUPD=(PASS_ERRDURUPD-PASS_BASE)a-3

```

002189B4	228	FILNOTDIR	<file is not opened for direct access!+!/ File '!AC' Filename '!AS'
	229	.LITERAL	PASSK_FILNOTDIR=(PASS_FILNOTDIR-PASS_BASE)a-3
002189BC	230	FILNOTGEN	<file is not in Generation mode!+!/ File '!AC' Filename '!AS'>/FAO
	231	.LITERAL	PASSK_FILNOTGEN=(PASS_FILNOTGEN-PASS_BASE)a-3
002189C4	232	FILNOTINS	<file is not in Inspection mode!+!/ File '!AC' Filename '!AS'>/FAO
	233	.LITERAL	PASSK_FILNOTINS =(PASS_FILNOTINS -PASS_BASE)a-3
002189CC	234	FILNOTKEY	<file is not opened for keyed access!+!/ File '!AC' Filename '!AS'
	235	.LITERAL	PASSK_FILNOTKEY=(PASS_FILNOTKEY-PASS_BASE)a-3
002189D4	236	FILNOTOPE	<file is not open!+!/ File '!AC' Filename '!AS'>/FAO_COUNT=3
	237	.LITERAL	PASSK_FILNOTOPE=(PASS_FILNOTOPE-PASS_BASE)a-3
002189DC	240	FILNOTSEQ	<file is not sequential organization!+!/ File '!AC' Filename '!AS'
	241	.LITERAL	PASSK_FILNOTSEQ=(PASS_FILNOTSEQ-PASS_BASE)a-3
002189E4	242	FILNOTTEX	<file is not a textfile!+!/ File '!AC' Filename '!AS'>/FAO_COUNT=3
	243	.LITERAL	PASSK_FILNOTTEX=(PASS_FILNOTTEX-PASS_BASE)a-3
002189EC	244	GENNOTALL	<Generation mode is not allowed for a READONLY file!+!/ File '!AC'
	245	.LITERAL	PASSK_GENNOTALL=(PASS_GENNOTALL-PASS_BASE)a-3
002189F4	246	GETAFTEOF	<GET attempted after end-of-file!+!/ File '!AC' Filename '!AS'>/FA
	247	.LITERAL	PASSK_GETAFTEOF=(PASS_GETAFTEOF-PASS_BASE)a-3
002189FC	248	INSNOTALL	<Inspection mode is not allowed for a WRITEONLY file!+!/ File '!AC'
	249	.LITERAL	PASSK_INSNOTALL=(PASS_INSNOTALL-PASS_BASE)a-3
00218A04	250	INSVIRMEM	<insufficient virtual memory!+!/ File '!AC' Filename '!AS'>/FAO_CO
	251	.LITERAL	PASSK_INSVIRMEM=(PASS_INSVIRMEM-PASS_BASE)a-3
00218A0C	252	INVARGPAS	<invalid argument to Pascal Run-Time Library!+!/ File '!AC' Filena
	253	.LITERAL	PASSK_INVARGPAS=(PASS_INVARGPAS-PASS_BASE)a-3
00218A14	254	LINVALEXC	<LINELIMIT value exceeded!+!/ File '!AC' Filename '!AS'>/FAO_COUNT
	255	.LITERAL	PASSK_LINVALEXC=(PASS_LINVALEXC-PASS_BASE)a-3
00218A1C	256	REWNOTALL	<REWRITE is not allowed for a shared file!+!/ File '!AC' Filename
	257	.LITERAL	PASSK_REWNOTALL=(PASS_REWNOTALL-PASS_BASE)a-3
00218A24	258	RESNOTALL	<RESET is not allowed on an unopened internal file!+!/ File '!AC'
	259	.LITERAL	PASSK_RESNOTALL=(PASS_RESNOTALL-PASS_BASE)a-3
00218A2C	260	TRUNOTALL	<TRUNCATE is not allowed for a shared file!+!/ File '!AC' Filename
	261	.LITERAL	PASSK_TRUNOTALL=(PASS_TRUNOTALL-PASS_BASE)a-3
00218A34	262	UPDNOTALL	<UPDATE is not allowed for a sequential organization file!+!/ File
	263	.LITERAL	PASSK_UPDNOTALL=(PASS_UPDNOTALL-PASS_BASE)a-3
	264		
	265		
	266		
	267		
	268		
	269		
	270		
	271		
	272		
	273		
	274		
	275		
	276		
	277		
	278		
	279		
	280		
	281		
	282		
	283	!+	
	284	!	Message numbers 1000-1999 are for messages without a valid PFV.



```

285 :-
286
287 .BASE 1000
00219F44 288 .INVFILVAR <invalid file variable at location !XL>/FAO_COUNT=1
00219F4C 289 .FILALRACT <file '!AC' is already active>/FAO_COUNT=1
00219F54 290 .ERRDURNEW <error during NEW>
00219F5C 291 .ERRDURDIS <error during DISPOSE>
00219F64 292 .ERRDURMAR <error during MARK>
00219F6C 293 .ERRDURREL <error during RELEASE>
00219F74 294 .GOTO <non-local GOTO requested!+!+>/FAO=2
00219F7C 295 .GOTOFAILED <non-local GOTO failed>
00219F84 296 .HALT <HALT procedure called>
00219F8C 297 .BUGCHECK <internal consistency failure !UL in Pascal Run-Time Library!>
00219F94 298 .NEGDIGARG <negative Digits argument to BIN, HEX or OCT is not allowed>
00219F9C 299 .CONTINUE <I/O error dismissed by user handler!+>/FAO=1
300

```

```

301 !+
302 Messages 2000 and up are for errors detected in the compiled code at
303 run-time. The compiled code has in the instruction stream a byte value
304 (0-63) which denotes the specific message to signal (2000-2063). The
305 particular exception conditions recognized by PAS$HANDLER as being
306 run-time error checking exceptions, and the locations of the code byte,
307 are as follows:
308

```

Exception	Instruction	Code byte location
SS\$_OPCDEC	HALT	.BYTE after HALT
SS\$_SUBRNG	INDEX	TSTB #x (current instruction)
SS\$_INTOVF	any	TSTB #x (current instruction)

```

314 :-
315
316 .BASE 2000
0021BE84 318 .ARRINDVAL <array index value is out of range>
0021BE8C 319 .ARRNOTCOM <conformant array is not compatible>
0021BE94 320 .ARRNOTSTR <conformant array is not a string>
0021BE9C 321 .CASSELVAL <CASE selector value is out of range>
0021BEA4 322 .CONCATLEN <string concatenation has more than 65535 characters>
0021BEAC 323 .PADLENERR <PAD length error>
0021BEB4 324 .PTRREFNIL <pointer reference to NIL>
0021BEB8 325 .SETASGVAL <set assignment value has element out of range>
0021BEC4 326 .SETCONVAL <set constructor value is out of range>
0021BECC 327 .STRASGLEN <string assignment length error>
0021BED4 328 .STRCOMLEN <strings comparison length error>
0021BEDC 329 .SUBASGVAL <subrange assignment value is out of range>
0021BEE4 330 .SUBSTRSEL <SUBSTR selection error>
0021BEE8 331 .VARINDVAL <varying index value is greater than current length>
0021BEF4 332 .ORDVALOUT <ordinal value is out of range>
333

```

```

334 !+
335 If the byte code in the instruction stream is PAS$K_IGNORE, PAS$HANDLER
336 simply does a CONTINUE.
337 :-
338

```

```

339 .LITERAL PAS$K_IGNORE=63
340
341 !+

```



```
342 | *****  
343 | Message numbers 3000-3999 are reserved for SeaPascal.  
344 | *****  
345 | -  
346 |  
347 | +  
348 | Define literals which can be used to test for specific groups of messages.  
349 | -  
350 |  
351 | .LITERAL      PAS$$K_MSGV2LO=200      | Lowest V2 message number  
352 | .LITERAL      PAS$$K_MSGCONTLO=200    | Lowest continuable error  
353 | .LITERAL      PAS$$K_MSGCONTHI=999    | Highest continuable error  
354 | .LITERAL      PAS$$K_MSGPFVHI=999     | Highest message with a valid PFV  
355 | .LITERAL      PAS$$K_MSGCHKBAS=2000   | Base of run-time checking messages  
356 |  
357 | +  
358 | Define STATUS codes for EOF and SUCCESS  
359 | -  
360 |  
361 | .LITERAL      PAS$K_EOF = -1  
362 | .LITERAL      PAS$K_SUCCESS = 0  
363 |  
364 | .END  
365 |
```

There were 0 errors, 0 warnings, and 0 informational messages issued.  
MESSAGE/NOSYMBOLS/LIS=LIS\$:PASMSGTXX/OBJ=OBJ\$:PASMSGTXX MSRC\$:PASMSG



0295 AH-BT13A-SE  
VAX/VMS V4.0

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